

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



Program Area: Monitoring

Directive Number: D-5

Date: March 14, 1995

Supersedes: SHRP D-2

Subject: Measurement Frequency and Priorities of Manual Distress Surveys

This directive documents the nominal measurement frequency of manual distress surveys for all Long-Term Pavement Performance (LTPP) test sections and the priorities to be considered when all required measurements cannot be completed.

A. Measurement Frequency

1. The nominal frequency for distress measurement of LTPP test sections by means of manual surveys shall be as follows. Where a given test section is included in more than one of the categories outlined, the maximum measurement frequency applies.

LTPP Experiment/Program	Nominal Measurement Frequency	Remarks
GPS	Biennial	Approximately 1/2 of all test sections to be tested in anyone year
SPS	Biennial	See 2 and 3 below
Seasonal Monitoring	2 times/year every other year	An additional manual survey shall be conducted if the PASCO units cannot survey the site during the year in question; this survey would be in addition to the two manual surveys currently required.

2. If pre-construction measurement for SPS-5, -6 and -7 projects cannot be done with the

PASCO units, a manual survey is to be conducted up to six months prior to actual construction.

3. If measurement of Sections 2, 5, 7, and 13 in SPS-1 projects and Sections 1, 9, 13, and, 21 in SPS-2 projects (hereafter referred to as "weak" sections) cannot be done with the PASCO units, a manual survey is to be conducted up to once per year.

4. If pre-construction or terminal measurement cannot be done with the PASCO units for any section which is to be modified (overlaid, reconstructed, etc.), whether it will continue as an LTPP test section or not, a manual survey will be performed up to six months prior to actual construction.

B. Priorities

Where resource limitations prohibit completion of all planned manual distress measurements, the following order of precedence shall be followed in setting priorities.

Priority Level	Type of Measurement	Remarks
1	Pre-construction measurement for SPS-5, -6 and -7 experiments	Only required when measurement cannot be done with PASCO units
1	Seasonal monitoring of sites which have been instrumented	If a third manual survey is required, this survey shares the same priority level. Surveying of seasonal monitoring sites which have not been instrumented is not required.
1	Pre-construction or terminal measurement for any section (GPS or SPS) which is to be modified	Only required when measurement cannot be done with PASCO units
2	Measurement of "weak" SPS-1 or -2 sections	Only required when measurement cannot be done with PASCO units
2	Long term measurement of GPS and SPS sites	Measurement may be postponed up to one year.

Note: To the extent possible, manual measurements are to be conducted in conjunction with other LTPP activities --e.g., FWD testing, seasonal monitoring, etc --to minimize traffic control requirements.